

IN THE CLAIMS

Please cancel claims 2, 9 and 11 without prejudice or disclaimer, amend claims 1, 3 thru 8, 10 and 12 thru 14, and add claim 15, as follows:

1. (Currently Amended) In an apparatus for controlling [[copy]] copying of content embodied in a video signal, the apparatus comprising a video signal processor for separating a composite synchronizing signal from a content containing input video signal to be recorded, and for performing at least one of modulating [[or]] and demodulating the video signal, *the improvement comprising:*

[[a]] first means for receiving the composite synchronizing signal and for detecting therefrom a copy-preventing signal; and

[[a]] second means for generating a recording-prevention control signal ~~adapted~~ to stop a recording of the content ~~embodied~~ contained in the video signal~~[[,]]~~ when [[a]] the copy-preventing signal is detected by the first means.

wherein the first means comprises:

a pulse generator for generating a masking pulse in a predetermined interval of the composite synchronizing signal in which the copy-preventing signal is contained;

a first gate for providing as an output signal the composite synchronizing signal in the predetermined interval in which the masking pulse is generated;

an integrator for integrating the output signal from the first gate and for providing as an output an integrated signal, said integrated signal having an output level; and

18 a comparator for comparing the output level of the integrated signal with a  
19 predetermined threshold value to determine whether the copy-preventing signal is present  
20 in the video signal.

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Claim 2. (Canceled)

1 3. (Currently Amended) [[The]] In the apparatus of claim [[2]] 1, wherein the  
2 first ~~gating~~ means includes a second ~~gating means~~ gate for removing a horizontal  
3 synchronizing signal from the composite synchronizing signal in the predetermined  
4 interval in which the masking pulse is generated.

1 4. (Currently Amended) [[The]] In an apparatus ~~of claim 1~~, for controlling  
2 copying of content embodied in a video signal, the apparatus comprising a video signal  
3 processor for separating a composite synchronizing signal from a content containing  
4 input video signal to be recorded, and for performing at least one of modulating and  
5 demodulating the video signal, the improvement comprising:

6 first means for receiving the composite synchronizing signal and for detecting  
7 therefrom a copy-preventing signal; and

8 second means for generating a recording-prevention control signal to stop a  
9 recording of the content contained in the video signal when the copy-preventing signal is  
10 detected by the first means;

11 wherein the first means comprises a ~~[[means]]~~ detector for indicating detection of  
12 a copy-preventing signal~~[[,]]~~ when a pulse count value in ~~[[a]]~~ the predetermined interval  
13 of the composite synchronizing signal is ~~equal to or greater~~ not less than a predetermined  
14 threshold value.

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5. (Currently Amended) ~~[[The]]~~ In the apparatus of claim 1, wherein the second  
2 means ~~also further~~ comprises a ~~means for causing a display~~ ~~[[of]]~~ unit for displaying  
3 information that the content contained in the video signal ~~to be copied~~ is copy-  
4 protected~~[[,]]~~ when ~~[[a]]~~ the copy-preventing signal is detected by the first means.

1 6. (Currently Amended) In a method for controlling ~~[[copy]]~~ copying of content  
2 embodied in a video signal, the method comprising the steps of separating a composite  
3 synchronizing signal from a content containing video signal to be recorded, and ~~[[of]]~~  
4 performing at least one of modulating ~~[[or]]~~ and demodulating the video signal, the  
5 improvement comprising the further steps of:

- 6 (1) determining whether a copy command has been input;  
7 (2) comparing a time  $T_1$  read from a timer with an initially set threshold value  $T_0$   
8 when it is determined in ~~the first~~ step (1) that ~~[[a]]~~ the copy command has been input;  
9 (3) determining whether a copy-preventing signal is ~~prevent~~ present in the video  
10 signal to be recorded when it is determined in ~~the second~~ step (2) that  $T_1 \geq T_0$ ; and  
11 (4) refraining from copying the content embodied in the video signal when it is

12 determined in ~~the third~~ step (3) that [[a]] the copy-preventing signal is present in the  
13 video signal to be recorded.

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7. (Currently Amended) [[The]] In the method of claim 6, wherein ~~the fourth~~  
(4) further comprises displaying information indicating that the content [[of]] embodied  
in the video signal to be recorded is copy-protected.

1 8. (Currently Amended) [[The]] In the method of claim 6, wherein the threshold  
2 value  $T_0$  is set to a date on which aggressive protection of copyright becomes effective.

Claim 9. (Canceled)

1 10. (Currently Amended) In an apparatus for controlling [[copy]] copying of  
2 content embodied in a video signal, said apparatus comprising a dual deck video cassette  
3 recorder (VCR) having a reproducing deck VCR[[;]], a recording deck VCR[[;]], an FM  
4 copy signal processor for performing automatic gain control and waveform equalization  
5 without demodulating a video signal detected by a video head of the reproducing deck  
6 VCR[[;]], and a video signal processor for demodulating the video signal detected by the  
7 video head of the reproducing deck VCR and for separating a composite synchronizing  
8 signal from the demodulated video signal;

9 *the improvement comprising*

10 [[a]] first means for receiving the composite synchronizing signal, and for  
11 detecting therefrom whether the composite synchronizing signal contains a copy-  
12 preventing signal;

13 *Q 15* [[a]] second means for generating a recording-prevention control signal when the  
14 *Q 15* first means detects that the composite synchronizing signal contains [[a]] the copy-  
15 preventing signal; and

16 [[a]] third means for receiving the recording-prevention control signal and  
17 ~~thereupon to cause responsive thereto for causing~~ the recording deck VCR not to record  
18 the content [[of]] embodied in the video signal;

19 wherein the second means generates the recording-prevention control signal only  
20 after a date on which aggressive protection of copyright becomes effective.

21 Claim 11. (Canceled)

22 12. (Currently Amended) [[The]] In the apparatus of claim 10, wherein the  
23 second means comprises [[means]] a display unit for ~~causing display of~~ displaying the  
24 information that [[a]] the copy-preventing signal has been detected[[,]] when [[a]] the  
25 copy-preventing signal ~~has been~~ is detected.

1 13. (Currently Amended) In a process for manufacturing an apparatus for  
2 controlling [[copy]] copying of content embodied in a video signal, the apparatus

3 comprising a video signal processor for separating a composite synchronizing signal from  
4 a content containing [[input]] video signal to be recorded, and for performing at least one  
5 of modulating [[or]] and demodulating the video signal, said process comprising the steps  
6 of:

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(1) providing [[a]] first means for receiving the composite synchronizing signal  
and for detecting therefrom a copy-preventing signal; and

9 (2) providing [[a]] second means for generating a recording-prevention control  
10 signal adapted to stop a recording of the content embodied in the video signal[[,]] when  
11 the copy- preventing signal is detected by the first means;

12 wherein the first means comprises a detector for indicating detection of the copy-  
13 preventing signal when a pulse count value in a predetermined interval of the composite  
14 synchronizing signal is not less than a predetermined threshold value.

1 14. (Currently Amended) In a process for manufacturing an apparatus for  
2 controlling [[copy]] copying of content embodied in a video signal, said apparatus  
3 comprising a dual deck video cassette recorder (VCR) having a reproducing deck  
4 VCR[[;]], a recording deck VCR[[;]], an FM copy signal processor for performing  
5 automatic gain control and waveform equalization without demodulating a video signal  
6 detected by a video head of the reproducing deck VCR[[;]], and a video signal processor  
7 for demodulating the video signal detected by the video head of the reproducing deck  
8 VCR and for separating a composite synchronizing signal from the demodulated video

9 signal[[,]]; said process comprising the steps of:

10 (1) providing [[a]] first means for receiving the composite synchronizing signal  
11 and for detecting therefrom whether the composite synchronizing signal contains a copy-  
12 preventing signal;

13 (2) providing [[a]] second means for generating a recording-prevention control  
14 signal when the first means detects that the composite synchronizing signal contains [[a]]  
15 the copy-preventing signal; and

16 (3) providing [[a]] third means for receiving the recording-prevention control  
17 signal and ~~thereupon to cause~~ responsive thereto for causing the recording deck VCR not  
18 to record the content [[of]] embodied in the video signal;

19 wherein the second means generates the recording-prevention control signal only  
20 after a date on which aggressive protection of copyright becomes effective.

1 15. (New) In a process for manufacturing an apparatus for controlling copying of  
2 content embodied in a video signal, the apparatus comprising a video signal processor for  
3 separating a composite synchronizing signal from a content containing video signal to be  
4 recorded, and for performing at least one of modulating and demodulating the video  
5 signal, said process comprising the steps of:

6 (1) providing first means for receiving the composite synchronizing signal and for  
7 detecting therefrom a copy-preventing signal; and

8 (2) providing second means for generating a recording-prevention control signal

9 adapted to stop a recording of the content embodied in the video signal when the copy-  
10 preventing signal is detected by the first means;

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12 *cancel* wherein the first means comprises:

13 a pulse generator for generating a masking pulse in a predetermined interval of the  
14 composite synchronizing signal in which the copy-preventing signal is contained;

15 a first gate for providing as an output signal the composite synchronizing signal in  
16 the predetermined interval in which the masking pulse is generated;

17 an integrator for integrating the output signal from the first gate and for providing  
18 as an output an integrated signal, said integrated signal having an output level; and

19 a comparator for comparing the output level of the integrated signal with a  
20 predetermined threshold value to determine whether the copy-preventing signal is present  
in the video signal.

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